



Mid-Latitude Atmospheric Dynamics: A First Course (Hardback)

By Jonathan E. Martin

John Wiley and Sons Ltd, United Kingdom, 2006. Hardback. Condition: New. 1. Auflage. Language: English . Brand New Book. This exciting text provides a mathematically rigorous yet accessible textbook that is primarily aimed at atmospheric science majors. Its accessibility is due to the text's emphasis on conceptual understanding. The first five chapters constitute a companion text to introductory courses covering the dynamics of the mid-latitude atmosphere. The final four chapters constitute a more advanced course, and provide insights into the diagnostic power of the quasi-geostrophic approximation of the equations outlined in the previous chapters, the meso-scale dynamics of the frontal zone, the alternative PV perspective for cyclone interpretation, and the dynamics of the life-cycle of mid-latitude cyclones. Written in a clear and accessible style. Features real weather examples and global case studies. Each chapter sets out clear learning objectives and tests students' knowledge with concluding questions and answers. A Solutions Manual is also available for this textbook on the Instructor Companion Site. A student-friendly yet rigorous textbook that accomplishes what no other textbook has done before. I highly recommend this textbook. For instructors, this is a great book if they don't have their own class notes; one can teach straight from the...



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